

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P247345

Luminaire Tested: **LSR8B120D010 EC8B120835 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-84)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120835 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13208.0 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

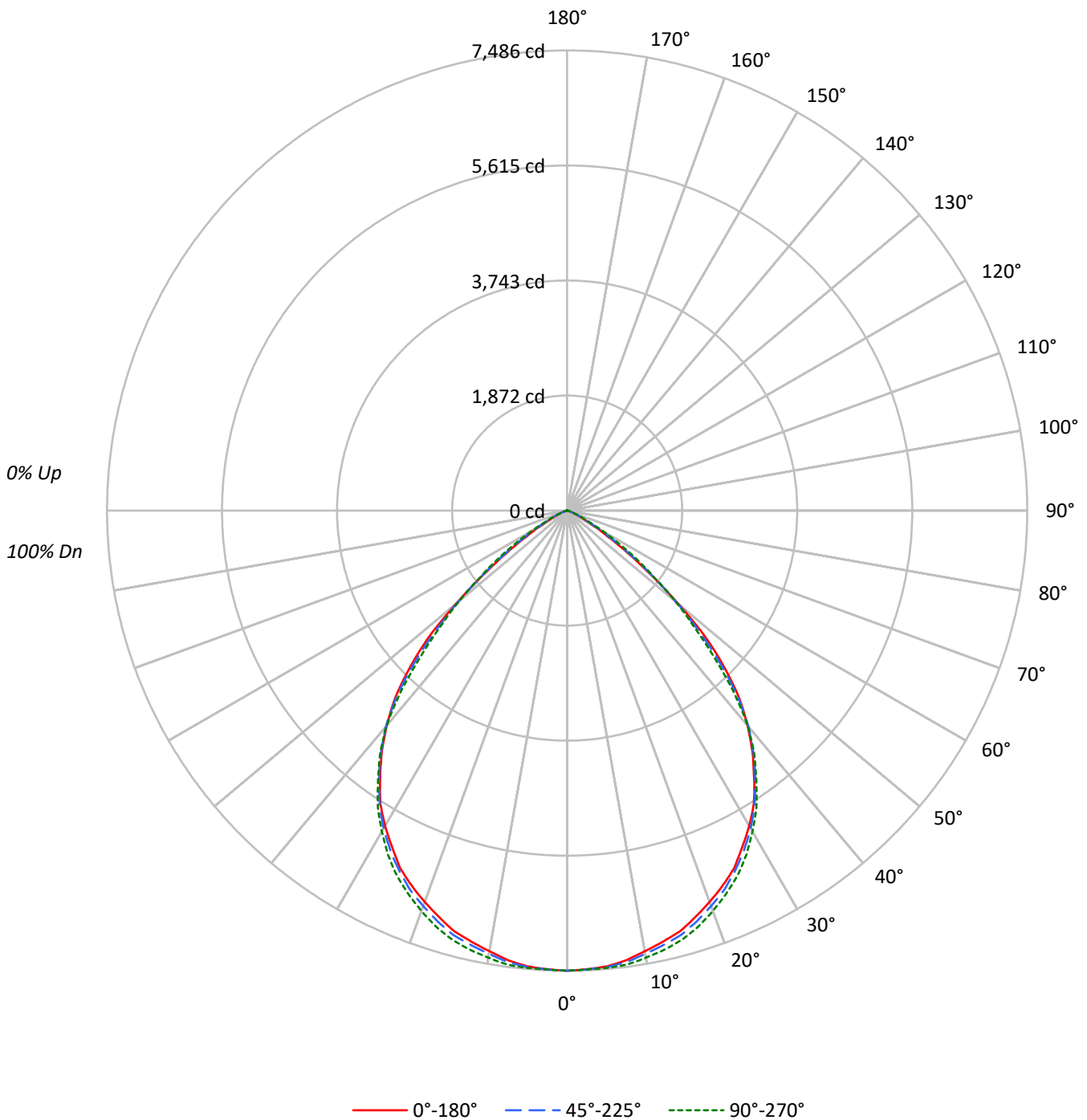
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	44	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	230856	230856	230856
5°	230370	230735	231144
10°	227914	229251	231280
15°	226300	228276	230722
20°	222370	224693	227446
25°	218533	219935	222994
30°	210970	212647	214641
35°	199638	200858	201912
40°	183828	184717	184242
45°	158484	154311	148145
50°	113144	111446	110107
55°	64944	68825	74524
60°	30799	36066	41703
65°	14513	17519	20102
70°	6771	7573	8637
75°	3157	4563	5266
80°	2610	2362	3658
85°	1026	2618	1557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	707.4	5.4
10°-20°	2012.9	15.2
20°-30°	2973.7	22.5
30°-40°	3322.9	25.2
40°-50°	2682.7	20.3
50°-60°	1193.3	9.0
60°-70°	268.8	2.0
70°-80°	41.5	0.3
80°-90°	4.9	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5694.0	43.1
0°-40°	9016.9	68.3
0°-60°	12892.8	97.6
0°-90°	13208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13208.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7486	7486	7486	7486	7486	
5°	7442	7441	7454	7456	7467	705
15°	7089	7093	7151	7204	7227	1994
25°	6423	6423	6464	6517	6554	2945
35°	5303	5300	5336	5342	5364	3306
45°	3634	3606	3538	3413	3397	2748
55°	1208	1226	1280	1346	1386	1136
65°	199	224	240	261	276	231
75°	26	37	38	37	44	34
85°	3	4	7	16	4	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7486.5	7486.5	7486.5	7486.5	7486.5
2.5°	7467.3	7462.9	7470.3	7465.9	7473.2
5°	7442.3	7440.8	7454.1	7455.6	7467.3
7.5°	7377.5	7379.0	7406.9	7427.6	7451.1
10°	7278.8	7284.7	7321.5	7367.2	7386.3
12.5°	7184.5	7191.9	7239.0	7302.4	7317.1
15°	7088.7	7093.2	7150.6	7203.7	7227.2
17.5°	6932.6	6962.1	7006.3	7066.6	7097.6
20°	6776.4	6797.1	6847.2	6913.4	6931.1
22.5°	6605.6	6627.7	6677.7	6732.2	6751.4
25°	6422.9	6422.9	6464.1	6517.2	6554.0
27.5°	6168.0	6199.0	6228.4	6275.6	6312.4
30°	5925.0	5936.8	5972.1	6010.4	6028.1
32.5°	5655.4	5656.9	5673.1	5715.8	5732.0
35°	5303.3	5300.4	5335.7	5341.6	5363.7
37.5°	4951.2	4966.0	4979.2	4999.8	5001.3
40°	4566.7	4574.1	4588.8	4566.7	4577.0
42.5°	4148.4	4138.0	4110.1	4043.8	4015.8
45°	3634.2	3606.2	3538.5	3413.3	3397.1
47.5°	3067.1	2997.8	2915.3	2822.5	2804.9
50°	2358.5	2364.4	2323.1	2292.2	2295.2
52.5°	1719.2	1739.8	1750.1	1779.6	1795.8
55°	1208.0	1225.7	1280.2	1346.4	1386.2
57.5°	782.2	816.1	886.8	962.0	989.9
60°	499.4	521.5	584.8	639.3	676.2
62.5°	327.0	334.4	369.8	419.8	421.3
65°	198.9	223.9	240.1	260.7	275.5
67.5°	129.6	129.6	144.4	163.5	167.9
70°	75.1	76.6	84.0	91.3	95.8
72.5°	41.2	45.7	50.1	57.5	64.8
75°	26.5	36.8	38.3	36.8	44.2
77.5°	17.7	17.7	14.7	25.0	26.5
80°	14.7	10.3	13.3	19.2	20.6
82.5°	0.0	1.5	1.5	2.9	0.0
85°	2.9	4.4	7.4	16.2	4.4
87.5°	0.0	4.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)