

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: P251085

Luminaire Tested: **LSR8B70D010 EC8B70835 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70835 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: 8092.0 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

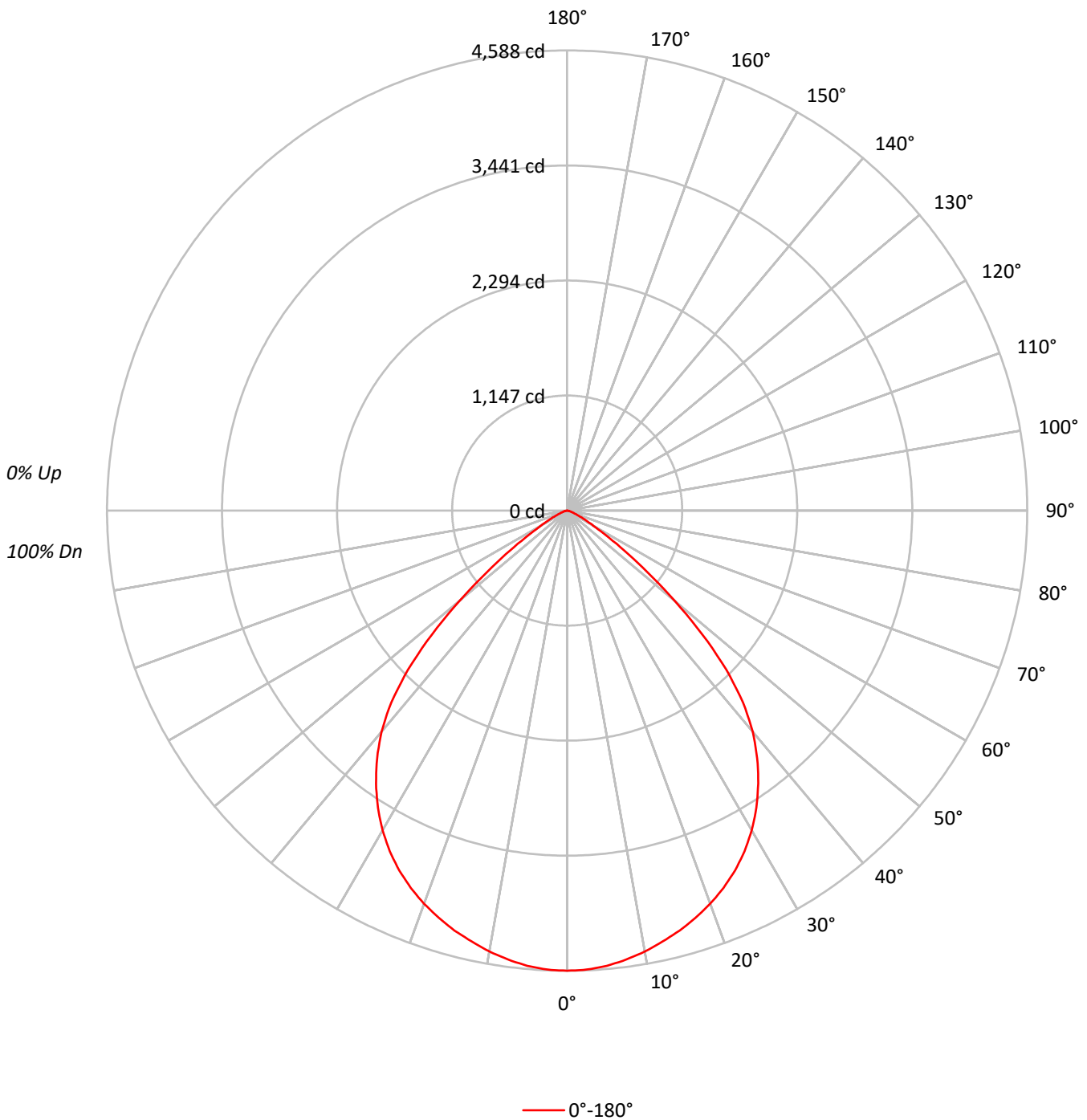
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	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	45	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°
0°	141477
5°	141039
10°	139774
15°	138388
20°	136899
25°	134739
30°	131040
35°	125069
40°	115907
45°	97863
50°	67138
55°	37031
60°	18613
65°	10478
70°	5707
75°	4063
80°	2593
85°	1734



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.9	5.3
10°-20°	1222.5	15.1
20°-30°	1820.1	22.5
30°-40°	2067.6	25.6
40°-50°	1690.1	20.9
50°-60°	662.3	8.2
60°-70°	154.3	1.9
70°-80°	37.2	0.5
80°-90°	6.0	0.1
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°	3474.6	42.9
0°-40°	5542.2	68.5
0°-60°	7894.5	97.6
0°-90°	8092.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8092.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4588	
5°	4556	432
15°	4335	1223
25°	3960	1820
35°	3322	2068
45°	2244	1690
55°	689	662
65°	144	154
75°	34	37
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4588.0
2.5°	4580.7
5°	4556.4
7.5°	4515.0
10°	4463.9
12.5°	4400.6
15°	4334.9
17.5°	4257.0
20°	4171.8
22.5°	4072.0
25°	3960.1
27.5°	3828.6
30°	3680.2
32.5°	3512.2
35°	3322.4
37.5°	3113.1
40°	2879.4
42.5°	2597.1
45°	2244.1
47.5°	1830.3
50°	1399.5
52.5°	1005.2
55°	688.8
57.5°	450.3
60°	301.8
62.5°	206.9
65°	143.6
67.5°	94.9
70°	63.3
72.5°	43.8
75°	34.1
77.5°	24.3
80°	14.6
82.5°	7.3
85°	4.9
87.5°	2.4
90°	0.0

(END OF REPORT)