

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: P247061

Luminaire Tested: **LD8B120D010 ER8B120840 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25264)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B120D010 ER8B120840 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13047.0 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.22
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

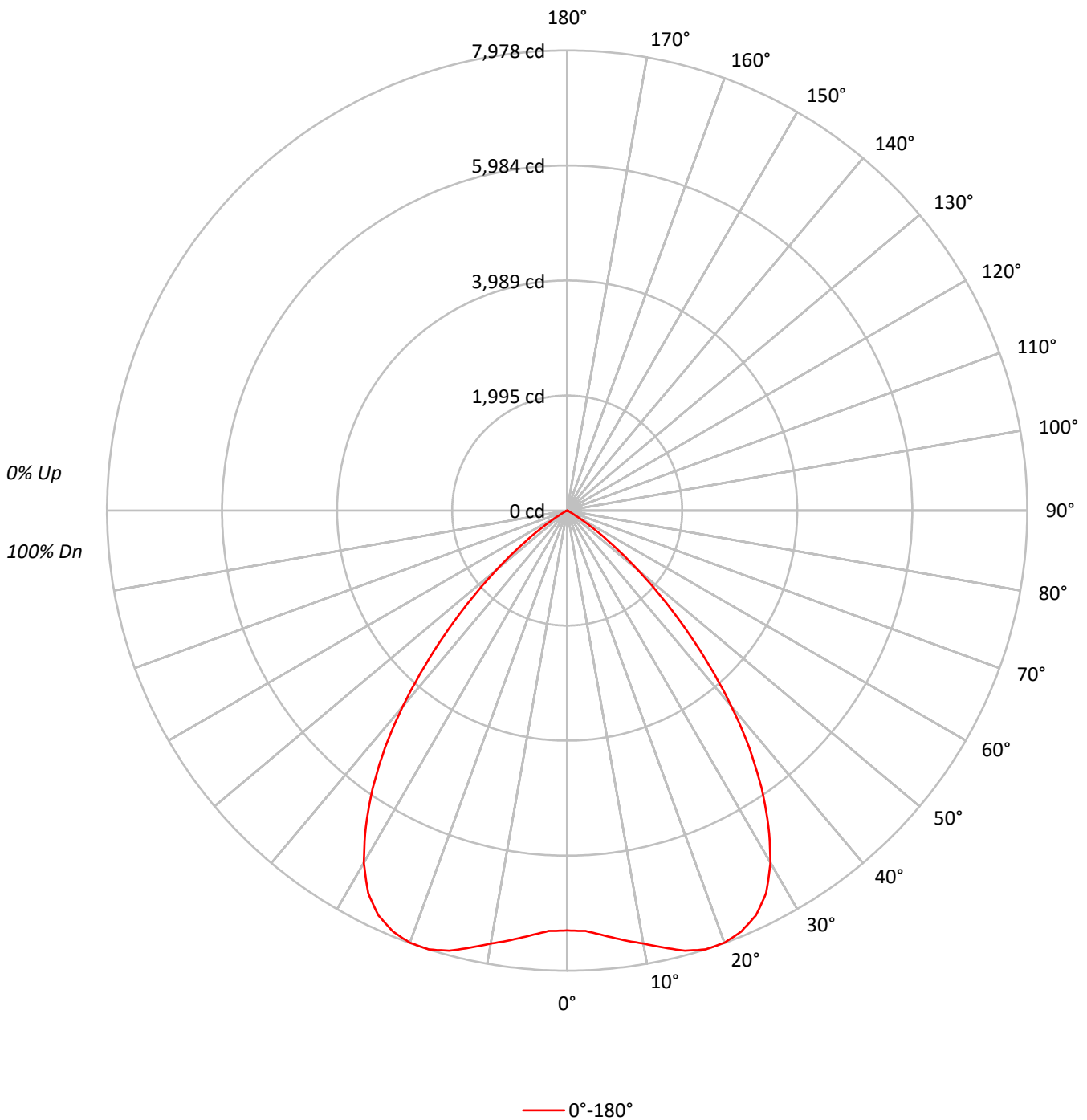
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	54	49	71	60	54	49	59	53	49	58	52	48	57	52	48	47
9	68	56	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	224504
5°	228884
10°	238701
15°	252188
20°	261640
25°	263541
30°	251081
35°	221468
40°	178534
45°	126754
50°	76181
55°	34321
60°	8850
65°	1912
70°	938
75°	631
80°	320
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.3	5.5
10°-20°	2233.4	17.1
20°-30°	3532.0	27.1
30°-40°	3629.2	27.8
40°-50°	2251.3	17.3
50°-60°	638.2	4.9
60°-70°	43.1	0.3
70°-80°	5.8	0.0
80°-90°	0.7	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°	6478.7	49.7
0°-40°	10107.9	77.5
0°-60°	12997.4	99.6
0°-90°	13047.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13047.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7280	
5°	7394	713
15°	7900	2233
25°	7746	3532
35°	5883	3629
45°	2907	2251
55°	638	638
65°	26	43
75°	5	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7280.5
2.5°	7294.5
5°	7394.3
7.5°	7511.4
10°	7623.3
12.5°	7761.5
15°	7899.6
17.5°	7978.3
20°	7973.1
22.5°	7896.1
25°	7745.7
27.5°	7472.9
30°	7051.5
32.5°	6497.0
35°	5883.2
37.5°	5189.0
40°	4435.2
42.5°	3651.6
45°	2906.6
47.5°	2214.1
50°	1588.0
52.5°	1068.6
55°	638.4
57.5°	328.8
60°	143.5
62.5°	57.8
65°	26.2
67.5°	15.7
70°	10.4
72.5°	7.1
75°	5.3
77.5°	3.5
80°	1.8
82.5°	1.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)