

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: P248013

Luminaire Tested: **LD8B175D010 ER8B1759727 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-71)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B1759727 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12458.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

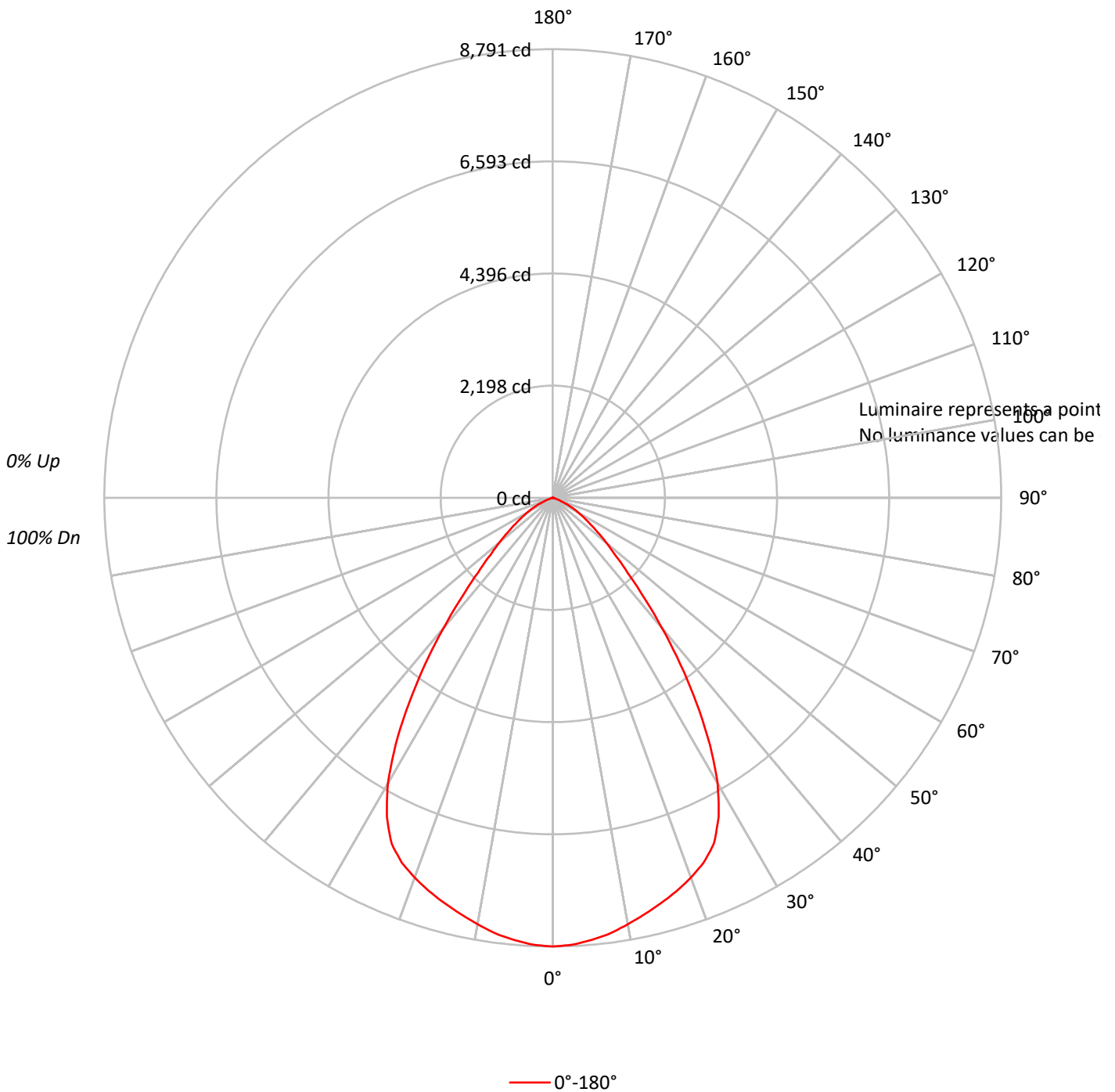
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64		72	67	64		71	66	63	61
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	61	54	49	59	53	49		58	53	49		57	52	49	47
9	68	57	50	46	67	56	50	46	55	49	45		54	49	45		54	49	45	43
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	823.7	6.6
10°-20°	2319.9	18.6
20°-30°	3387.8	27.2
30°-40°	3046.8	24.5
40°-50°	1666.3	13.4
50°-60°	826.1	6.6
60°-70°	326.2	2.6
70°-80°	52.5	0.4
80°-90°	8.6	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°	6531.4	52.4
0°-40°	9578.3	76.9
0°-60°	12070.7	96.9
0°-90°	12458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12458.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8791	
5°	8698	824
15°	8219	2320
25°	7476	3388
35°	4918	3047
45°	2075	1666
55°	896	826
65°	326	326
75°	40	53
85°	11	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8790.9
2.5°	8766.5
5°	8698.1
7.5°	8609.3
10°	8484.3
12.5°	8351.4
15°	8219.4
17.5°	8077.9
20°	7917.5
22.5°	7734.3
25°	7476.4
27.5°	7042.5
30°	6463.1
32.5°	5732.7
35°	4917.5
37.5°	4103.8
40°	3326.3
42.5°	2625.8
45°	2074.7
47.5°	1662.7
50°	1372.6
52.5°	1117.1
55°	896.2
57.5°	724.1
60°	579.4
62.5°	458.3
65°	326.3
67.5°	194.2
70°	117.1
72.5°	66.0
75°	40.1
77.5°	25.9
80°	18.9
82.5°	6.3
85°	11.0
87.5°	4.7
90°	0.0

(END OF REPORT)