

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: P249648

Luminaire Tested: **LD8B200D010 ER8B200940 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-95)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200940 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19149.0 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.22
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

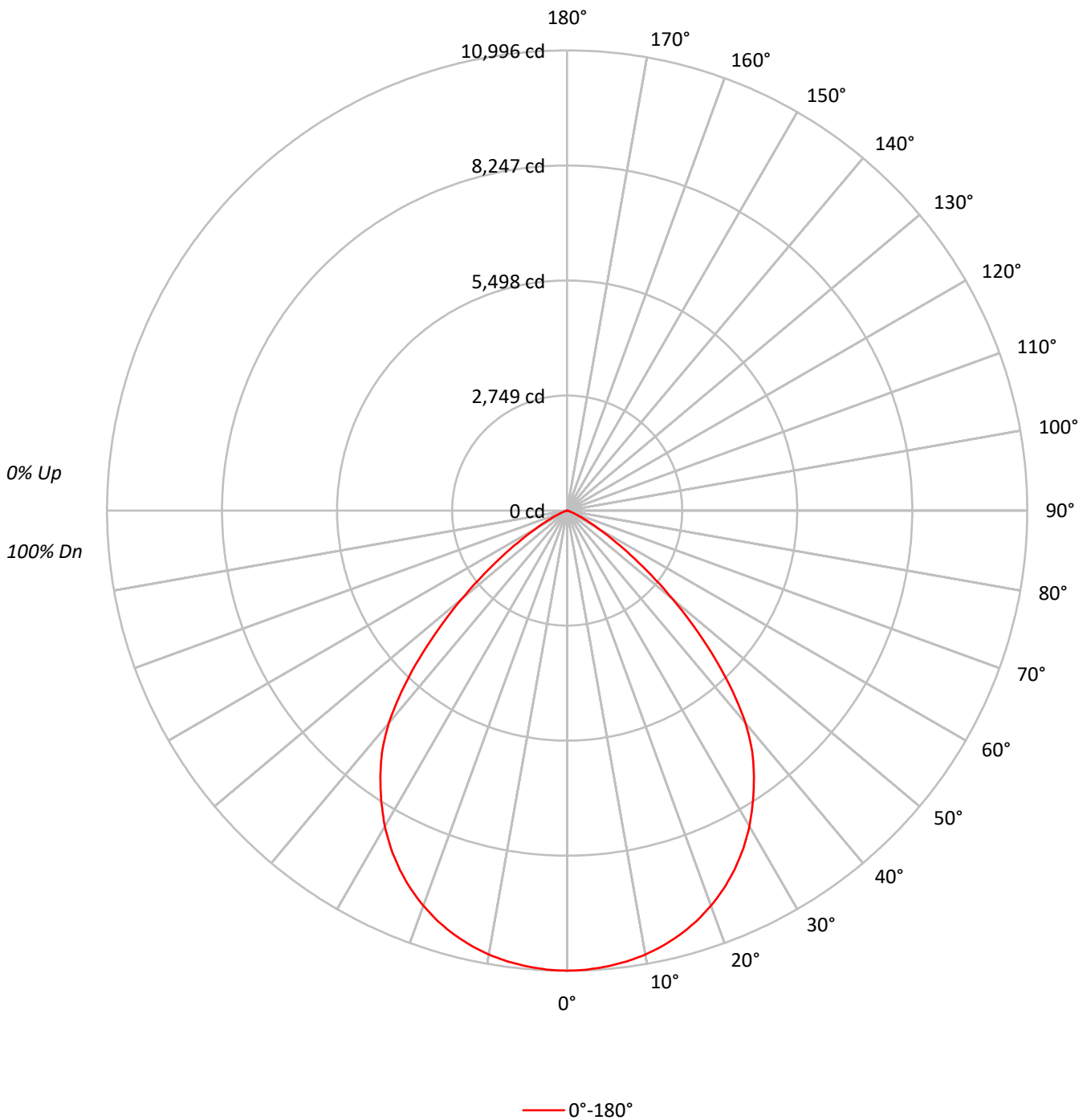
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65
5	85	75	67	62	83	73	67	62	72	66	61	70	64	60	68	63	60	58
6	79	68	61	56	78	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	339079
5°	338502
10°	337293
15°	334616
20°	329761
25°	322147
30°	310330
35°	293019
40°	267097
45°	217924
50°	157677
55°	99534
60°	53439
65°	24217
70°	8232
75°	4098
80°	2735
85°	1274



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1038.7	5.4
10°-20°	2953.2	15.4
20°-30°	4349.0	22.7
30°-40°	4842.3	25.3
40°-50°	3824.3	20.0
50°-60°	1714.6	9.0
60°-70°	378.5	2.0
70°-80°	42.7	0.2
80°-90°	5.7	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°	8341.0	43.6
0°-40°	13183.3	68.8
0°-60°	18722.2	97.8
0°-90°	19149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19149.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10996	
5°	10936	###
15°	10482	2953
25°	9468	4349
35°	7784	4842
45°	4997	3824
55°	1851	1715
65°	332	378
75°	34	43
85°	4	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10996.1
2.5°	10979.5
5°	10935.6
7.5°	10868.1
10°	10772.0
12.5°	10642.8
15°	10481.6
17.5°	10284.9
20°	10049.0
22.5°	9777.6
25°	9468.2
27.5°	9111.4
30°	8715.5
32.5°	8261.6
35°	7783.9
37.5°	7270.7
40°	6635.3
42.5°	5849.5
45°	4997.2
47.5°	4129.6
50°	3286.8
52.5°	2516.4
55°	1851.4
57.5°	1293.2
60°	866.5
62.5°	548.8
65°	331.9
67.5°	184.9
70°	91.3
72.5°	49.8
75°	34.4
77.5°	24.9
80°	15.4
82.5°	8.3
85°	3.6
87.5°	1.2
90°	0.0

(END OF REPORT)