

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: P245813

Luminaire Tested: **LD8B50D010 ER8B50930 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B50D010 ER8B50930 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4503.1 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

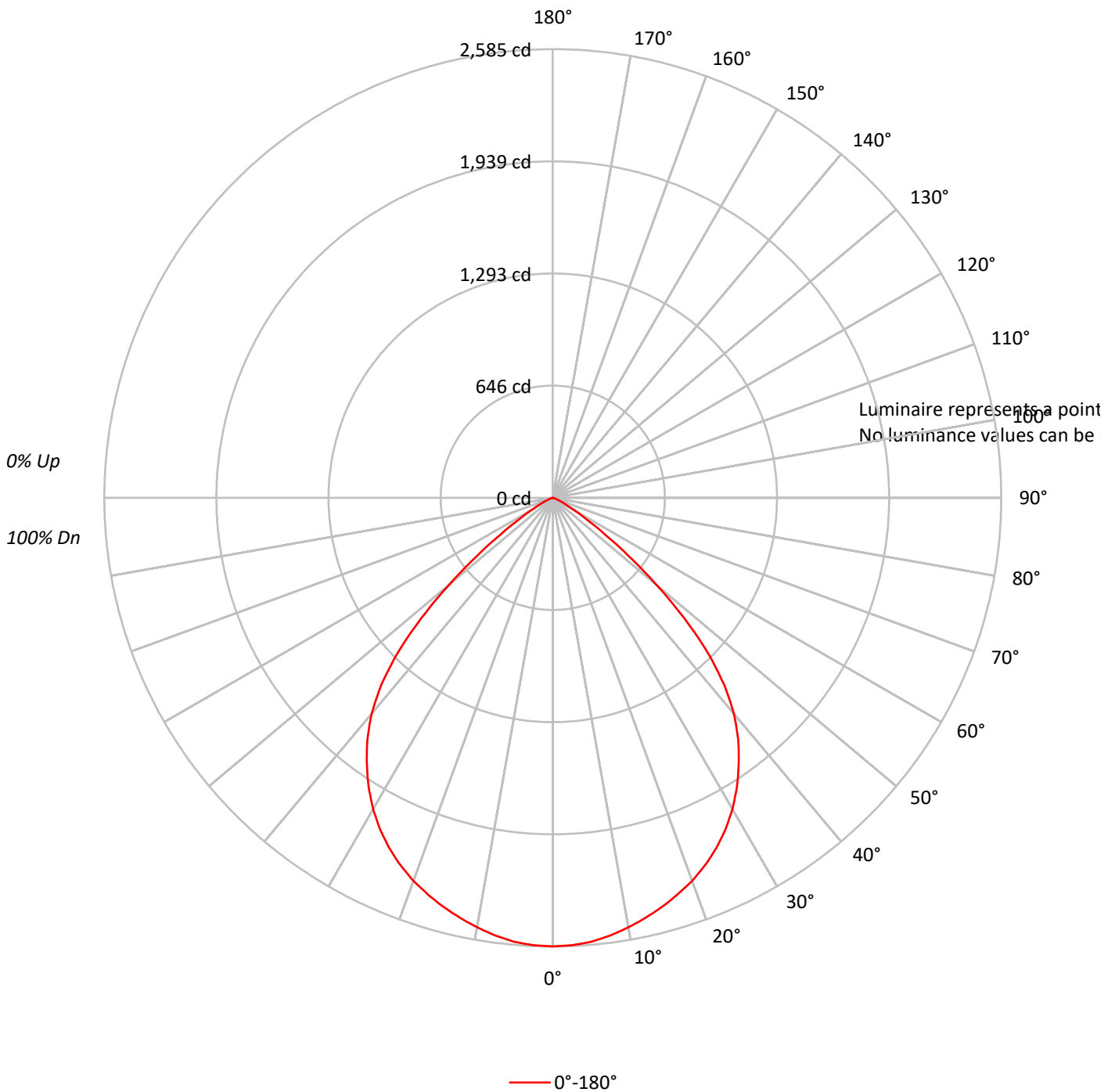
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55		64	59	55		63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50		59	54	50		58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.3	5.4
10°-20°	688.0	15.3
20°-30°	1024.2	22.7
30°-40°	1164.3	25.9
40°-50°	952.0	21.1
50°-60°	354.9	7.9
60°-70°	64.8	1.4
70°-80°	10.1	0.2
80°-90°	1.4	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°	1955.5	43.4
0°-40°	3119.8	69.3
0°-60°	4426.8	98.3
0°-90°	4503.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4503.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2585	
5°	2567	243
15°	2439	688
25°	2228	1024
35°	1869	1164
45°	1267	952
55°	364	355
65°	59	65
75°	9	10
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2584.8
2.5°	2580.3
5°	2567.1
7.5°	2543.5
10°	2512.7
12.5°	2477.5
15°	2439.3
17.5°	2395.2
20°	2348.2
22.5°	2292.3
25°	2227.7
27.5°	2154.2
30°	2070.5
32.5°	1975.0
35°	1869.2
37.5°	1755.9
40°	1625.2
42.5°	1463.6
45°	1266.6
47.5°	1030.1
50°	781.8
52.5°	551.1
55°	364.4
57.5°	229.2
60°	142.6
62.5°	91.1
65°	58.7
67.5°	33.7
70°	19.1
72.5°	11.8
75°	8.9
77.5°	5.8
80°	4.4
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)